



ENERGY STAR

Energy 2002

June 5, 2002

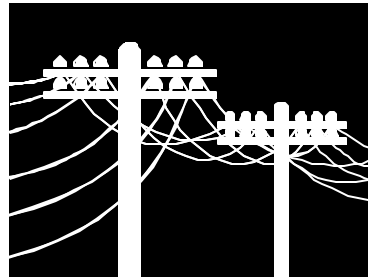
Jean Lupinacci

ENERGY STAR Buildings Director



Energy and Environment

- Problem:
 - Commercial buildings generate 18% of U.S. carbon dioxide emissions
- Opportunity:
 - 30% from wasted energy use.





What is ENERGY STAR?

ENERGY STAR is ...

- More than Label
- Voluntary Partnership

Common Goal: Protect Environment for
Future Generations



Products

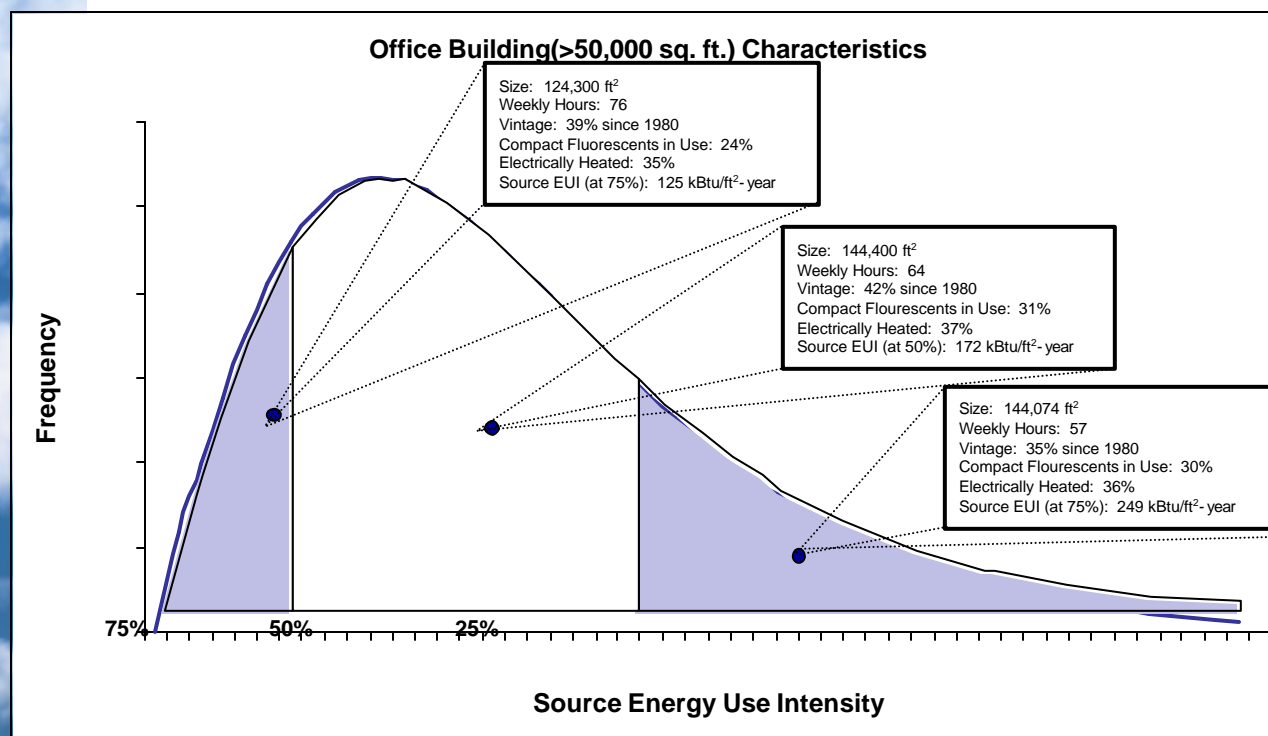


Homes



Organizations

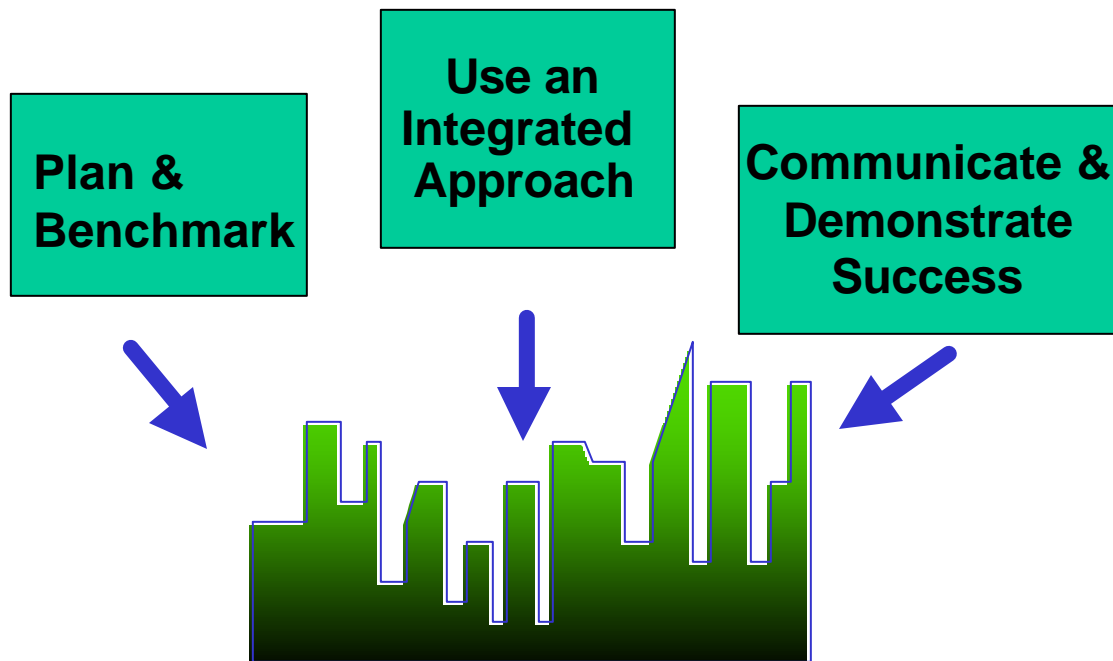
Large Variation in Energy Consumption



Source: CBECS



ENERGY STAR Strategy for Organizations



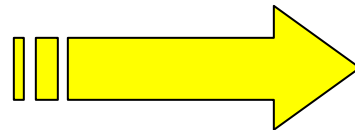
Twice the savings than typical energy strategy



ENERGY STAR

Environmental leadership through Energy Performance

Weak
Energy
Performers

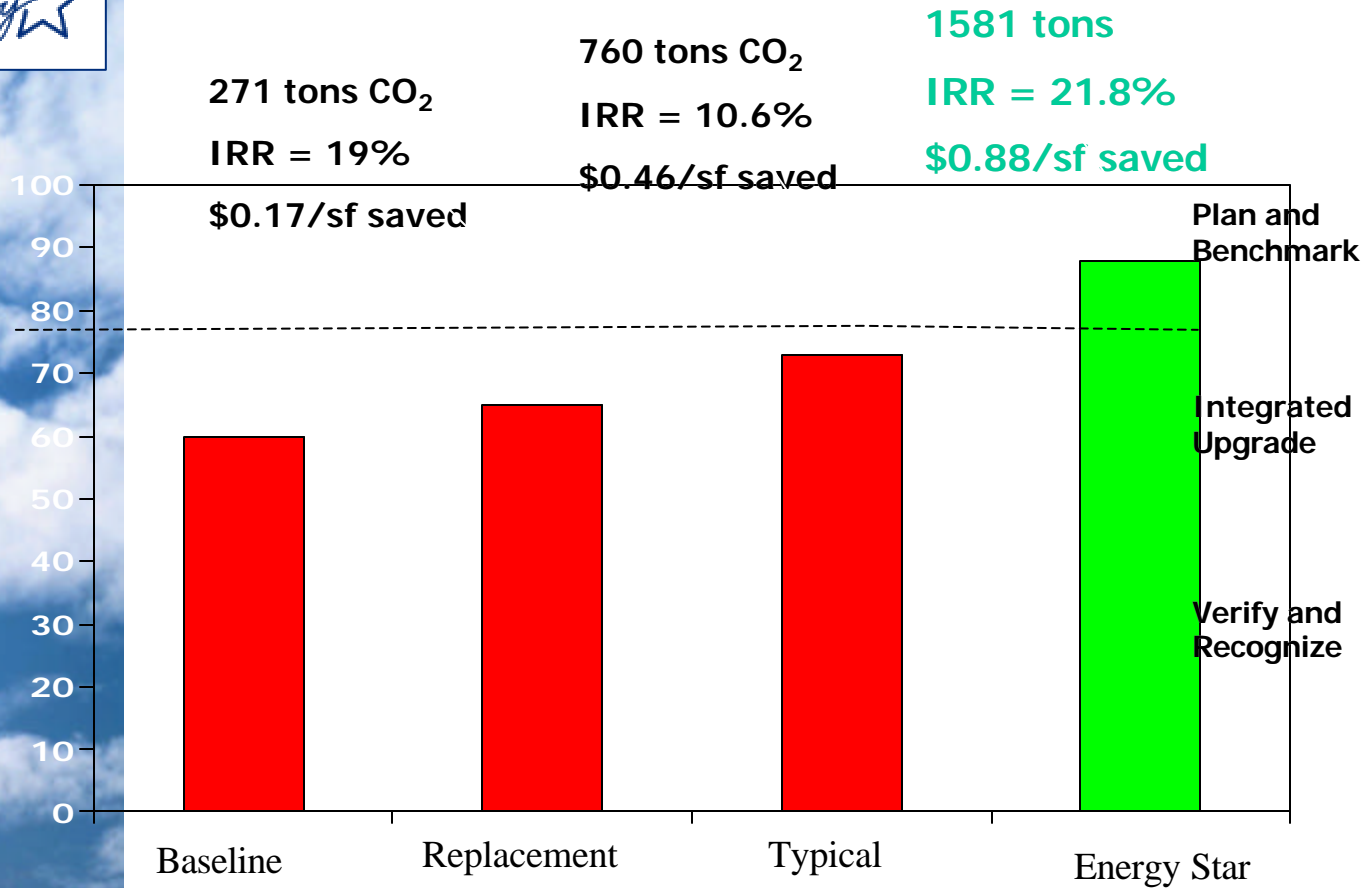


Strong
Energy
Performers

- Determine Financial Value
- Set Goals & Invest in Performance Improvement
- Measure and Manage
- Recognize Success

Set An Energy Star Goal...

Energy Star Buildings is the Path





Federal Government Commitment

ENERGY STAR figures prominently in Executive Order 13123 *Greening the Government through Efficient Energy Management*:

- Building performance
- New Construction
- Product Purchasing
- Leasing



Why Use ENERGY STAR?

Unique Tools & Opportunities



- On-line Benchmarking & Tracking
- Building Upgrade Manual
- Purchasing Tool Kit
- Communications
- Recognition





ENERGY STAR Benchmarking

- Is 10 MPG high or low for an automobile?
- Is 63,800 kBtu/SF/year average for a midscale hotel?



Answer:

Common Knowledge

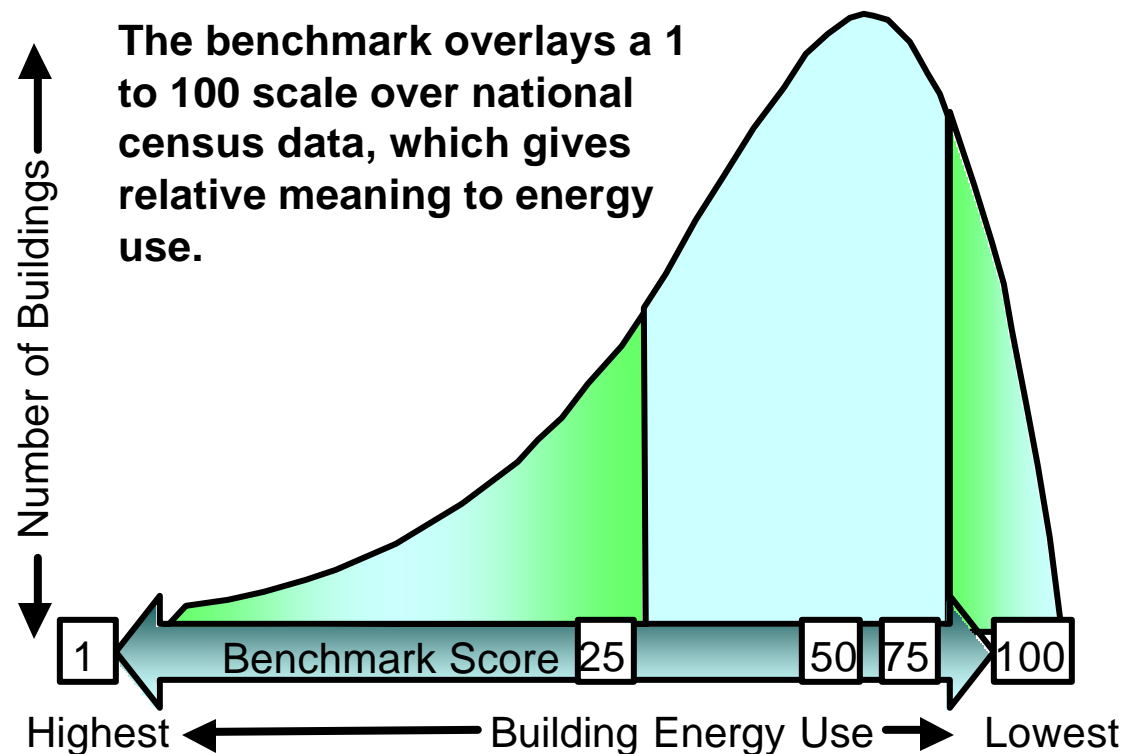


Answer:

**Even some facility
experts don't know**

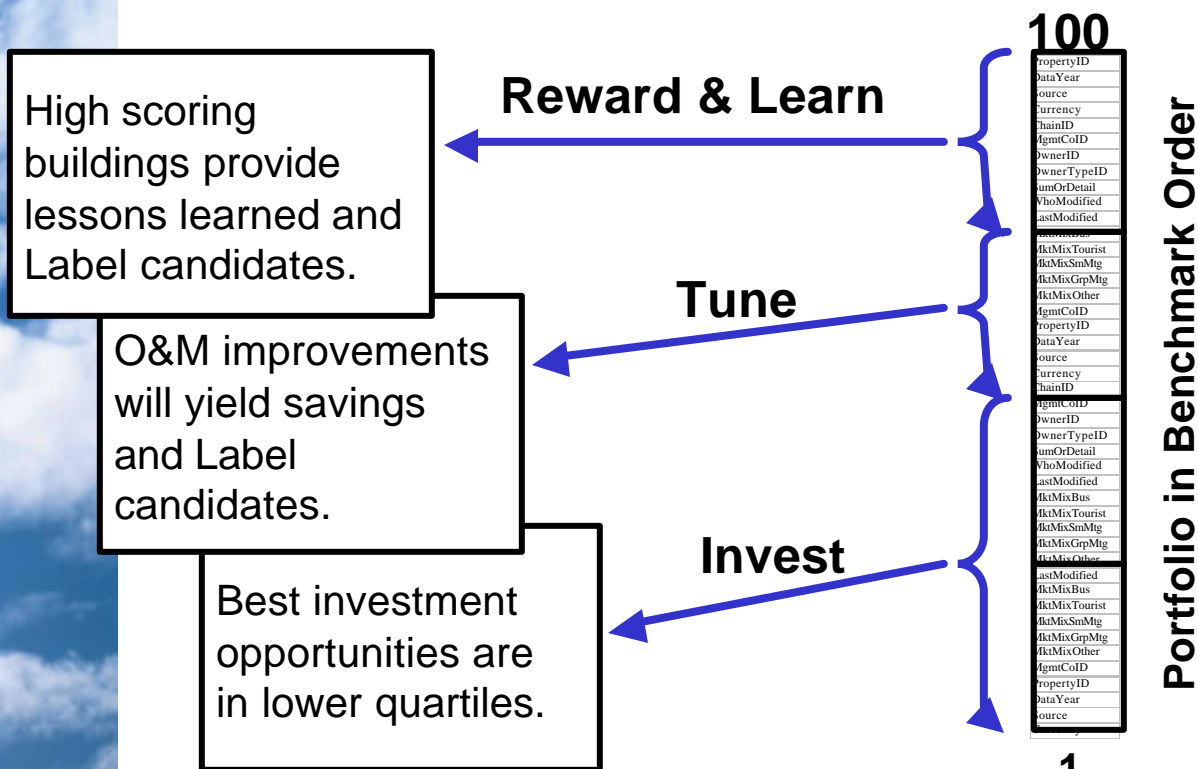


ENERGY STAR Benchmarking





Set Priorities Across Portfolios

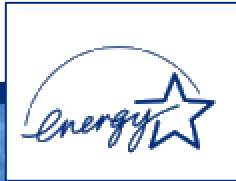




ENERGY STAR Targets

Use the Score as a Performance Metric in Contracts

- Leases
- ESCO Performance Contracts
- New Building Design



Earning the ENERGY STAR Label

- Scores in the top 25% may apply
- Certified by a P.E.





ENERGY STAR Benchmarking

Eligible Space Types

- Office
- Schools (K-12)
- Hotels
- Hospitals
- Grocery/Supermarkets

Next

- Warehouse (beta test)
- Retail
- Other Healthcare

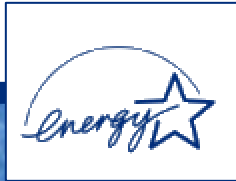


The Five-Stage Approach

Focus on sizing,
operations and control



Maintenance & Measuring



ENERGY STAR[®] Labeled Products

Over 30 Product Categories

Lighting

Appliances

Consumer Electronics

Office Equipment

Heating & Cooling

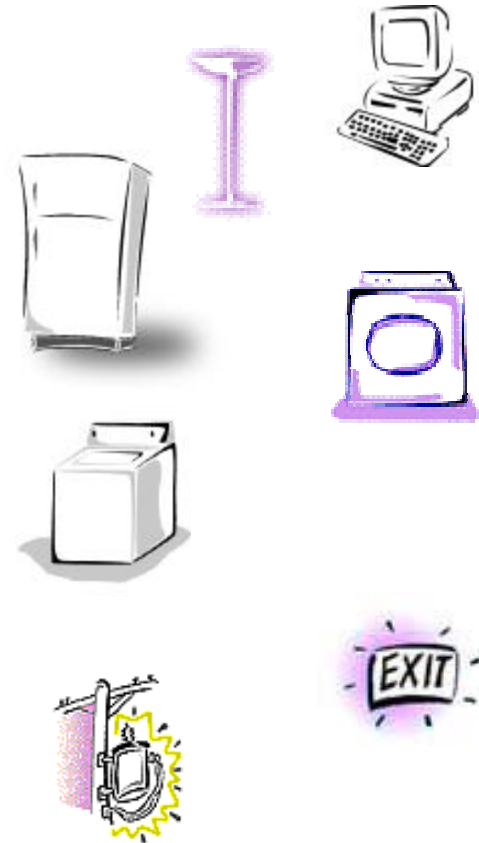
Water Coolers

Transformers

Ceiling Fans

Ventilation Fans

Reach-in Refrigerators





ENERGY STAR Purchasing Tool Kit

- Product listings (both ENERGY STAR labeled and FEMP designated)
- Product specifications
- Sample procurement language
- Savings calculators/LCC
- Communications resources



Communications Support

Why communicate achievements?

- Gain upper management buy-in
- Increase sales through customer loyalty
- Motivate and educate your employees
- Strengthen stakeholder relations





Communications & Recognition

ENERGY STAR Helps Call Out Leadership:

- Leverage National Brand & Communications Campaign
- 40% Consumer Awareness Nationwide
- Recognized for Environmental Stewardship & Federal Leadership



Case Study

- EPA and GSA collaborating on Energy Star:
 - Benchmarking
 - Central energy data collection
 - Regional building data
 - Recognition
 - Demonstrating leadership



To Learn More...

www.energystar.gov/

Click on “Government.” Click on
“For Federal Agencies”

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